

# M.E AERONAUTICAL ENGINEERING PART TIME (EVENING) MODE (6 Semester)

## SEMESTER I

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	PTMA 9115	Applied Mathematics	3	1	0	4
2.	PTAE 9111	Aerodynamics	3	1	0	4
3.	PTAE 9113	Aerospace Propulsion	3	1	0	4
PRACTICAL						
4.	PTAE 9124	Aerodynamics Laboratory	0	0	4	2
		Total	9	3	4	14

## SEMESTER II

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	PTAE 9112	Aircraft Structures	3	1	0	4
2.	PTAE 9121	Flight Mechanics	3	0	0	3
3.	PTAE 9114	Theory of Vibration	3	0	0	3
PRACTICAL						
4.	PTAE 9115	Structures Laboratory	0	0	4	2
		Total	9	1	4	12

## SEMESTER III

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	PTAE 9151	Numerical Heat Transfer	2	0	2	3
2.	PTAE 9161	Theory of Elasticity	3	0	0	3
3.	PTAE 9167	Wind Tunnel Techniques	3	0	0	3
4.	PTAE	Elective I	3	0	0	3
		Total	11	0	2	12

### SEMESTER IV

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	PTAE 9122	Finite Element Methods	3	0	2	4
2.	PTAE 9123	Computational Fluid Dynamics in Aerospace Engineering	3	0	2	4
3.	PTAE 9168	Rocketry & Space Mechanics	3	0	0	3
4.	PT AE	Elective II	3	0	0	3
		Total	12	0	4	14

### SEMESTER V

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	PTAE	Elective III	3	0	0	3
2.	PTAE 9131	Project Work Phase I	0	0	12	6
		Total				9

### SEMESTER VI

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	PTAE 9141	Project Work Phase II	0	0	24	12
		Total				12

TOTAL CREDITS TO BE EARNED = 14 + 12 + 12 + 14 + 9 + 12 = 73

### LIST OF ELECTIVES

S.NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	PTAE9150	<a href="#">Experimental Stress Analysis</a>	3	0	0	3
2.	PTAE9152	<a href="#">Boundary Layer Theory</a>	3	0	0	3
3.	PTAE9153	<a href="#">Aircraft Design</a>	2	0	2	3
4.	PTAE9154	<a href="#">Industrial Aerodynamics</a>	3	0	0	3
5.	PTAE9155	<a href="#">Helicopter Aerodynamics</a>	3	0	0	3
6.	PTAE9156	<a href="#">Theory of Plates and Shells</a>	3	0	0	3
7.	PTAE9157	<a href="#">Structural Dynamics</a>	3	0	0	3
8.	PTAE9158	<a href="#">Aero elasticity</a>	3	0	0	3
9.	PTAE9159	<a href="#">High Temperature Problems in Structures</a>	3	0	0	3
10.	PTAE9160	<a href="#">Fatigue and Fracture Mechanics</a>	3	0	0	3
11.	PTAE9162	<a href="#">Hypersonic Aerodynamics</a>	3	0	0	3
12.	PTAE9163	<a href="#">High Temperature Gas Dynamics</a>	3	0	0	3
13.	PTAE9164	<a href="#">Advanced Propulsion Systems</a>	3	0	0	3
14.	PTAE9165	<a href="#">Experimental Methods in Fluid Mechanics</a>	3	0	0	3
15.	PTAE9166	<a href="#">Wind Engineering</a>	3	0	0	3
16.	PTAE9169	<a href="#">Composite Materials and Structures</a>	3	0	0	3